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The wind power installation 1 has a tower or pylon 4 which is arranged perpendicularly relative to the ground 6. The pylon 4 of the wind power installation 1 is anchored in the ground 6 by a foundation 8. The foundation 8 is of an enlarged diameter, in relation to the diameter of the pylon 4.

A machine housing 12 is mounted to the tip 10 of the pylon 4. Ancillary assemblies (not shown) of the wind power installation 1 are disposed in the machine housing 12. A generator 14 is disposed directly adjoining the machine housing 12. The generator 14 converts the rotational energy 10 of the rotor hub 16 connected thereto into electrical energy. The rotor hub 16 is caused to rotate by rotor blades 18 which rotate in the wind by virtue of an aerofoil profile.

The electrical energy produced is made available by the generator 14 by way of lines 20 to a transformer 22 which 15 operates as an energy transfer unit. The transformer 22 feeds the transformed electrical energy by way of circuit breakers 24 into overland power lines 26. The overland power lines 26 are suspended on masts 30 by way of insulators 28.

The transformer 22 is arranged directly at the pylon 4. 20 The transformer 22 is disposed on a platform 32. At its end remote from the pylon the transformer 32 has a limiting wall 34. The platform 32 is disposed substantially at the height of the overland power lines 26 so that the fixing points 36 which serve above the circuit breakers 24 for fixing the 25 overland power line 26 above the transformer 22 to the pylon 4 are disposed substantially at the same height as the insulators 28. In the illustrated embodiment therefore the pylon 4 also performs the function of a mast 30.

The right-hand half of the FIGURE shows a wind power 30 installation 2 which is of the same structure as the wind power installation 1. In the illustrated view however the transformer 38 is mounted turned through 90° on the side of

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the wind power installation 2, which is towards the person viewing the drawing. In addition the FIGURE does not show a limiting wall for the platform 40 of the wind power installation, such wall corresponding to the limiting wall 34 of the platform 32. The transformer 38 however is also connected by way of circuit breakers 42 to overland power lines 26 fixed to the pylon 46 at fixing points 44.

What is claimed is:

1. A wind power installation comprising:  
a generator attached to a pylon;  
the pylon supported by a foundation;  
an energy transfer unit for transfer of the current generated by the generator to a power network,  
wherein the weight of the energy transfer unit is supported by the foundation.
2. The wind power installation in claim 1, wherein the energy transfer unit is a transformer.
3. The wind power installation in claims 1 or 2, wherein the energy transfer unit is fixed externally to the pylon.
4. The wind power installation in claims 1 or 2, wherein the energy transfer unit is fixed internally to the pylon.
5. The wind power installation in claims 1 or 2, further comprising:  
the energy transfer unit is arranged on a platform which is fixed to the pylon.
6. The wind power installation in claims 1 or 2, wherein:  
the power network has overland power lines, and  
the energy transfer unit is arranged substantially at the height of the overland power lines.

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